

Intelligence and Superior Energy Savings for your Critical Air Exhaust System

As a leader in critical air exhaust systems and controls, Strobic Air Technologies offers an intelligent and energy-efficient multi-functional control system for the critical air exhaust industry. The **Strobic Air Fan Energy (S.A.F.E.) Optimizing Controller** represents a thorough redesign of how critical air controls systems should operate.

Our goal is to **simplify installation and operation** while improving technology, energy efficiency and overall cost. With the right hardware, algorithms and component cost reduction, we expect owners to realize a Return on Investment (ROI) of three years or less.

Advantages:

Carel cPco, Programmable Micro Controller

A **user-friendly and intuitive controller** that offers additional functionality and a platform for future growth.

Modular Design

The S.A.F.E. Controller ships **pre-programmed for optional components** like wind speed and direction monitoring and integration for air quality monitoring and flow measurement. All options can be **easily attached to any system with a S.A.F.E. Controller** either from the beginning of a project or after it is up and running.

Vibration Monitoring

Prevent system downtime by adding the optional vibration monitoring component to the S.A.F.E. Controller. Vibration monitoring helps **predict potential motor failure** allowing for preventative maintenance instead of costly repairs and system downtime.

Advanced Communication

Every S.A.F.E. Controller **ships with the ability to talk BACnet** over MS/TP and IP. Each component connected to the S.A.F.E. Controller is also part of a separate

Modbus network which allows for **greater monitoring and diagnostics** of the whole system.

Dynamic Flow Control

The S.A.F.E. Controller can **reduce the sound level of the system** during off-peak hours, either by reducing fan speed or the number of fans running. It will also rotate fans based on operational hour at a time configured by the end user.

Updated Algorithms

The S.A.F.E. Controller **calculates flow and energy usage** based on Strobic Air's official fan curve data; and replaces the traditional lead/lag ideology for a more **dynamic and energy-efficient process**.

LEED™ Credit

Installation of the S.A.F.E. Controller can help your building obtain LEED points for **overall building efficiency**.

Any pre-existing Strobic Air Fan System can be **retro-fitted with a S.A.F.E. Controller**, bringing with it all of the above benefits.



A Shift in Controlling Critical Air Exhaust

With the design and introduction of the S.A.F.E. Controller, Strobic Air Technologies has re-evaluated every aspect of how critical air exhaust is controlled. **Critical exhaust is the core of our business**, and our reputation is built on doing this well and better than anyone else.

Through comprehensive research, analysis, and testing, Strobic Air Technologies has developed the S.A.F.E. Controller. **It maximizes energy savings while ensuring that exhaust air is always being evacuated at a safe level.**

With fan curves for each fan model programmed in, the S.A.F.E. Controller constantly evaluates sensor data to adjust the speed and number of fans in real-time to **ensure the safest, most energy efficient critical exhaust fan system** on the market. It's not just safe, it is **Strobic Air SAFE!**



SPX ENGINEERED AIR MOVEMENT

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